



Standard Scope of Supply

The Chicago Pneumatic **T75-7** and **T110-7** are silenced, single-stage, oil-injected screw compressors, powered by liquid-cooled, three-cylinder Kubota diesel engine.

The unit consist of one high efficient compressor element, diesel engine, cooling, air/oil separation and control systems - all enclosed within silenced strong steel canopy.

Special attention has been given to the overall product quality, user friendliness, ease of serviceability, and economical operation to ensure best in class cost of ownership.

Available Models

| | |
|--------|---|
| T75-7 | Single Stage – 75 cfm – Kubota Diesel Engine |
| T110-7 | Single Stage – 100 cfm – Kubota Diesel Engine |

Features

- 10% compact and 3-layer stackable.
- 3 layers Zincor, Primer and Powder coating
- Single side service.
- Low noise emissions.
- 1500 hours service interval.

Benefits

- Save transport and storage cost
- Optimal protection against corrosion.
- Change of consumables in 1 hour.
- Able to work in noise sensitive area.
- Increase uptime, save service cost



Technical Data

| Compressor | | T 75-7 | T 110-7 |
|--|--------|--------|---------|
| Normal effective working pressure | bar | 7 | 7 |
| Absolute inlet pressure | bar | 1 | 1 |
| Relative air humidity | % | 0 | 0 |
| Air inlet temperature | °C | 20 | 20 |
| Minimum effective receiver pressure | bar | 2 | 2 |
| Maximum effective receiver pressure (Unloaded) | bar | 8.8 | 8.8 |
| Actual free air delivery | m³/min | 2.1 | 2.8 |
| Fuel consumption | | | |
| at 100% FAD (full load) | kg/h | 3.83 | 4.68 |
| at 75% FAD | kg/h | 3.05 | 3.84 |
| at 50% FAD | kg/h | 2.48 | 2.79 |
| at 25% FAD | kg/h | 1.53 | 1.83 |
| Specific fuel consumption at 100% FAD | g/m³ | 33.86 | 31.59 |
| Max. sound pressure level (Lw @ 2000/14/EC) | dB(A) | 97 | 98 |
| Max. sound pressure level (Lp @ ISO 2151) | dB(A) | 70 | 70 |
| Compressed air temperature at outlet without aftercooler | °C | 85 | 85 |
| Max. ambient temperature at sea level with aftercooler | °C | 50 | 50 |
| Min. starting temperature with cold weather equipment | °C | -20 | -20 |
| Min. starting temperature without cold weather equipment | °C | -10 | -10 |
| Number of compression stages | | | |

| Engine | | Kubota | Kubota |
|---|------|------------------|------------------|
| Type | | D722 | D902 |
| Coolant | | Gencool | Gencool |
| Number of cylinders | | 3 | 3 |
| Bore | mm | 67 | 72 |
| Stroke | mm | 68 | 73.6 |
| Swept volume | l | 0.719 | 0.898 |
| Engine power at normal shaft speed @ SAE J 1995 | kW | 14.9 | 18.5 |
| Full Load | rpm | 3400 | 3600 |
| Unload | rpm | 1800 | 2000 |
| Capacity of oil sump | l | 3 | 3 |
| Capacity of cooling system | l | 5 | 5 |
| Capacity of compressor oil system | l | 5 | 5 |
| Net capacity of air receiver | l | 7.5 | 7.5 |
| Air volume at inlet grating (approx.) | m³/s | 0.75 | 0.75 |
| Capacity of standard fuel tanks | l | 20 | 20 |
| Optional extended fuel tank | l | 10 | 10 |
| Dimensions (L x W x H) | mm | 1580 x 740 x 850 | 1580 x 740 x 850 |
| Weight – Wet * | kg | 500 | 500 |

*Refer to data plate for exact value



Engine

Kubota Diesel Engine

The compressor is driven by a liquid-cooled, three-cylinder Kubota D722 - D902 diesel engine. The engine's power is transmitted to the compressor element through a heavy-duty coupling.

Electrical System

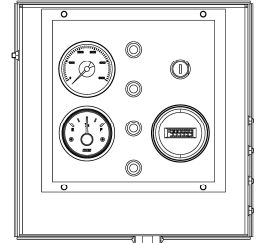
The **T75-7** and **T110-7** are equipped with a 12-volt negative ground electrical system.

Instrumentation

The instrument control panel is located on the side of the compressor canopy.

The control panel has the following: Engine ignition key port, Pressure gauge, Battery malfunction indicator, Compressor outlet temperature high indicator, Fuel gauge, Meter for running hours and Oil temperature indicator.

Starting is achieved with a three-position switch for ease of operation



Safety Devices

The compressor is standard equipped with safety devices for the compressor and the engine. The unit will be completely turned off should:

- Engine coolant temperature rise too high
- Engine oil pressure drop too low
- Outlet temperature of the compressed air goes outside a specified range
- Low fuel level

Bodywork

The compressor is delivered as standard with a zinc or coated steel canopy with double-layer powder coat paint finish providing excellent corrosion protection. The canopy is sound attenuated to meet the most current legal noise requirements. Wide doors provide complete service access to all components.

Manufacturing & Environmental Standards

The **T75-7** and **T110-7** are manufactured following the stringent ISO 9001 regulations, and by a fully implemented Environmental Management System fulfilling ISO 14001 requirements. Attention has been given to ensure minimum negative impact to the environment.

Supplied Documentation

The unit is delivered with the following documents and certificates:

- Spare parts list for compressor.
- Instruction manual for both compressor and Engine
- Machine test certificate
- Vessel certificate

Warranty Coverage

- Please refer to product presentation for warranty info.
- Extended Warranty Programs are available; please contact your local sales representative for more info.



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